Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/15/2018 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125967	0	1.16	125795	1.12
Blue	F	SSC	125000	123566	-2	3.13	123713	2.90
Blue	E	FITC	23615	22997	-3	2.45	1030	11.00
Blue	D	PE	26739	26572	-1	1.92	956	9.98
Blue	B	PerCP-Cy5-5	48339	47547	-2	3.35	1367	18.33
Blue	A	PE-Cy7	45021	44439	-2	5.23	687	37.07
Red	C	APC	53064	52615	-1	2.65	3007	9.57
Red	A	APC-Cy7	57175	56589	-2	2.62	1178	11.27
Violet	B	V450	14728	14345	-3	4.70	686	9.40
Violet	A	V500	58621	57912	-2	4.62	2564	6.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19845	2.02	615	1	N/A	N/A	Pass
Blue	F	SSC	61292	1.34	559	13	N/A	N/A	Pass
Blue	E	FITC	114	40.12	551	3	0.0174	79	Pass
Blue	D	PE	209	30.41	542	6	0.1599	288	Pass
Blue	B	PerCP-Cy5-5	214	46.33	640	5	0.0082	6	Pass
Blue	A	PE-Cy7	72	129.04	697	4	0.0109	19	Pass
Red	C	APC	348	28.66	599	2	0.0198	95	Pass
Red	A	APC-Cy7	130	41.04	581	1	0.0054	1759	Pass
Violet	B	V450	84	42.60	467	-3	0.0459	1989	Pass
Violet	A	V500	187	22.16	494	-3	0.0150	358	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.91	-31.35	0.97
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.34
Red	18.18	14.40 - 21.60	N/A	N/A	31.08	31.57	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 13451

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments